PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY							
To: DAVID BRADIN DAVID BRADIN	PCT						
WOMBLE CARLYLE SANDRIGE & RICE, PLLC P.O. BOX 7037	NOTIFICATION OF TRANSMITTAL OF						
ATLANTA, GA 30357 RECEIVED	THE INTERNATIONAL SEARCH REPORT						
	OR THE DECLARATION						
JUN 0 1 2004	(PCT Rule 44.1)						
HOWREY - SV	Date of Mailing (day/month/year) 18 MAY 2004						
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below						
41689.0003.7 OS882.0101.00PC00							
International application No.	International filing date						
PCT/US02/16213	(day/month/year) 22 May 2002 (22.05.2002)						
Applicant							
DUKE UNIVERSITY							
	rch report has been established and is transmitted herewith.						
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cl	aims of the international application (see Rule 40):						
When? The time limit for filing such amendments i international search report.	s normally two months from the date of transmittal of the						
Where? Directly to the International Bureau of WIP 1211 Geneva 20, Switzerland, Facsimile No.	O, 34, chemin des Colombettes o.: (41-22) 740.14.35						
For more detailed instructions, see the notes on the							
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.							
2 With regard to the protest against payment of (an) add	itional fee(s) under Rule 40.2, the applicant is notified that:						
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.							
no decision has been made yet on the protest; the a	applicant will be notified as soon as a decision is made.						
A Reminders							
4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.							
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.							
In respect of other designated Offices, the time limit of 30 mor	nths (or later) will apply even if no demand is filed within 19 months.						
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.							
	Authorized officer						
Name and mailing address of the ISA/US Commissioner for Patents	() and town						
Box PCT	Phuong Huynh						
Washington, D.C. 20231	Telephone No. (517) 272-1600						
Facsimile No. (703)305-3230 Pocket Department Telephone No. (517) 272-1600 (See notes on accompanying sheet							
File							
Action Resp to Sear l Rpt due							
Due Date 7/18 /04							
W/Ext's							
Initials <u>@ 6/1/</u>	04						

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's 41689.0003	or agent's file reference .7	FOR FURTHER ACTION	(Form PC	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5					
International application No.		International filing date (day/mor	below.	(Earliest) Priority Date (day/month/year)					
PCT/US02/		22 May 2002 (22.05.2002)		(Larnest) Fronty Date (Larymonthryear)					
Applicant			•						
DUKE UNIVERSITY									
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.									
This interna	ational search report consists	s of a total of Sheets.							
	7	d by a copy of each prior art doc	ument cite	ed in this report.					
1. Basis o	f the Report								
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.									
the international search was carried out on the basis of a translation of the international application furnished to this									
Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:									
		nal application in written form.							
	filed together with the inter	rnational application in computer re	adable for	m.					
	furnished subsequently to t	his Authority in written form.							
	furnished subsequently to t	his Authority in computer readable	form.						
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.								
2.	Certain claims were found	d unsearchable (See Box I).							
3.	Unity of invention is lacki	ing (See Box II).							
4. With	regard to the title,								
	the text is approved as submitted by the applicant.								
	the text has been established	d by this Authority to read as follo	ws:						
5. With 1	regard to the abstract,			•					
the text is approved as submitted by the applicant.									
	the text has been establishe	d, according to Rule 38.2(b), by th	is Authori	ty as it appears in Box III. The applicant					
	may, within one month from the date of mailing of this international search report, submit comments to this Authority.								
6. The figure of the drawings to be published with the abstract is Figure No.									
	as suggested by the applica	nt.		None of the figures					
	because the applicant failed	l to suggest a figure.							
	because this figure better cl	haracterizes the invention.							

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT	PCT/US02/16213						
	•						
Continuation of B. FIELDS SEARCHED Item 3: APS, MEDLINE, EMBASE, BIOSIS, SCISEARCH CAPLUS ON STN angiostain agonist, partial agonist, antagonist, antibody, humanized, chimeric, enzyme, peptide, oligonucleotide, cox2 inhibitor, ATP synthase, anti angiogenic therapy							
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	·						

International application No.

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/16213

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 39/385, 395; G01N 33/53; C07H 21/02 US CL : 424/130.1, 133.1, 141.1, 181.1, 185.1; 193.1; 435/7.1; 536/23.1 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIEL	DS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/130.1, 133.1, 141.1, 181.1, 185.1; 193.1; 435/7.1; 536/23.1							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet							
	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where a			Relevant to claim No.			
Х	WO 99/59620 A1 (DUKE UNIVERSITY) 25 Nove document, abstract in particular.	mber 1999	9 (25.11.1999), see entire	1-8, 10-18, and 20-52			
х	US 6,201,104 B1 (MACDONALD) 13 March 2001 claims in particular.	(13.03.20	001) see entire document,	1-2, 4, 7, 8, 10-13, 17-23, and 27-32			
×	MOSER, et al. Endothelial Cell Surface F1-F0 AT and Is Inhibited by Angiostatin. Proc. Natl. Acad. pages 6656-6661, see entire document, especially A	1-8, 10-18, 20-30 and 48-52					
Y	US 6,380,253 B1 (DAS) 30 April 2002 (30.04.2002), see entire document.			1-2, 4, 8, 10-14, 17, 20-22, 27, and 29-30			
A	MOSER, et al. Angiostatin Binds ATP Synthase on Cells. Proc. Natl. Acad. Sci. March 1999, Vol. 90 particular.	1-8, 10-18, 20-26, 28- 30, and 48-52					
x	US 6,025,353 A (MASFERRER) 15 February 2002	2 (15.02.20	000), see entire document.	9 and 19			
F7							
	documents are listed in the continuation of Box C.		See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or prio date and not in conflict with the application but cited to understan of particular relevance "A" document defining the general state of the art which is not considered to be of particular relevance							
"E" earlier ap	"X" document of particular relevance; the clai considered novel or cannot be considered			claimed invention cannot be red to involve an inventive step			
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	ation or other special reason (as "Y" document of particular relevance; the claimed invention can considered to involve an inventive step when the document					
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art					
priority d	"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed						
Date of the actual completion of the international search 23 July 2002 (23.07.2002) Date of mailing of the international search report 18 WAY 2004							
Name and mailing address of the ISA/US Authorized officer							
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Phuong Huynh							
Facsimile No. (703)305-3230 Telephone No. ((571) 272-1600							
Form PCT/ISA/210 (second sheet) (July 1998)							